Thermochimica Acta, 236 (1994) 291
Elsevier Science B.V., Amsterdam

AUTHOR INDEX

Adyanthaya, S.D. 123

Błażejowski, J. 263
Bogacz, A. 51, 59, 67

Calvente, J.J. 105
Chang, W. 205
Chen, Y. 205
Criado, J.M. 187

Deng, Y. 113
Dossi, C. 165
Dumas, J.P. 227, 239

Ebrahim, M.M. 249
El-Shetary, B.A. 149

Févotte, G. 81
Fukui, T. 199
Fusi, A. 165

Gast, Th. 277
Gaune-Escard, M. 51, 59, 67

Halawy, S.A. 249

Ihara, Y. 199

Klein, J.P. 81
Książczak, A. 15
Kundu, P. 175

Lidine, R.A. 131, 141
Liu, J.-S. 113
Löblich, K.-R. 39

Málek, J. 187
Maestre, A. 105
Mitra, S. 175
Mohamed, M.A. 249
Molotchko, V.A. 131, 141

Nagata, I. 15, 23, 31

Omar, F.M. 149

Pathak, G. 123
Patil, K.R. 123
Pestov, A.M. 141
Pestov, S.M. 131, 141
Pradhan, S.D. 123

Psaro, R. 165

Qin, D. 205

Ramadan, A.A.T. 149
Rycerz, L. 51, 59, 67

Said, A.A. 93
Sanchez-Montalvo, R. 105
Singh, R.B. 175
Stefan, S.L. 149
Strub, M. 227, 239
Szczepaniak, W. 51, 59, 67

Taha, S. 217
Tian, A.-M. 113
Tosson, M. 217

Vu Thanh, H. 263
Vyazovkin, S. 1

Yanes, C. 105

Zeng, X.-C. 113
Zeraouli, Y. 227, 239
Zhou, J. 205

Thermochimica Acta, 236 (1994) 293–298
Elsevier Science B.V., Amsterdam

SUBJECT INDEX

Acetone
Excess molar enthalpies for methanol + acetone and methanol + acetone + benzene mixtures at 298.15 K 23
Thermodynamics of associated solutions. Prediction of excess molar enthalpies of acetone + bromoform + saturated hydrocarbon mixtures using a chemical model 15
Acetonitrile
Excess enthalpies and excess volumes of mixing for mixtures of isomeric butyl amines and acetonitrile 123
Activation energy
Conversion dependence of activation energy for model DSC curves of consecutive reactions 1
AHM
Mutual influences between ammonium heptamolybdate and γ-alumina during their thermal treatments 93
Alkali metal compound
Calorimetric investigation of $NdCl_3$–MCl liquid mixtures (where M is Na, K, Rb, Cs) 67
Calorimetric investigation of $PrCl_3$–NaCl and $PrCl_3$–KCl liquid mixtures 59
Alumina
Mutual influences between ammonium heptamolybdate and γ-alumina during their thermal treatments 93
Ammonium heptamolybdate
Mutual influences between ammonium heptamolybdate and γ-alumina during their thermal treatments 93
Atmosphere
Non-isothermal kinetic and thermodynamic study of the decomposition of lead acetate trihydrate 249
The impact of feedback on the determination of masses and forces in controlled atmospheres 277

Balance
The impact of feedback on the determination of masses and forces in controlled atmospheres 277
Barium nitrate
The effect of temperature and phase state on the infrared spectrum of $Ba(NO_3)_2$ 217
Benzene
Excess molar enthalpies for methanol + acetone and methanol + acetone + benzene mixtures at 298.15 K 23
Binary system
Calorimetric investigation of $NdCl_3$–MCl liquid mixtures (where M is Na, K, Rb, Cs) 67
Calorimetric investigation of $PrCl_3$–NaCl and $PrCl_3$–KCl liquid mixtures 59
Enthalpies of mixing in $PrCl_3$–$CaCl_2$ and $NdCl_3$–$CaCl_2$ liquid systems 51
Excess molar enthalpies for methanol + acetone and methanol + acetone + benzene mixtures at 298.15 K 23
Solubilité des cristaux liquides dans les solvants organiques 131
Thermodynamique de la formation de solution nématique dans le système double de 4-*n*-propyl- et 4-*n*-amyl-(4′-cyanophényl)-cyclohexane 141
Bromoform
Thermodynamics of associated solutions. Prediction of excess molar enthalpies of acetone + bromoform + saturated hydrocarbon mixtures using a chemical model 15
Butyl amine
Excess enthalpies and excess volumes of mixing for mixtures of isomeric butyl amines and acetonitrile 123

Cadmium compound
Thermal investigation and stereochemical studies of some cyclic ligand complexes of nickel(II), copper(II), zinc(II) and cadmium(II) in the solid state. Part 1 175
Calcium chloride
Enthalpies of mixing in $PrCl_3$–$CaCl_2$ and $NdCl_3$–$CaCl_2$ liquid systems 51
Calorimeter
Application of thermogram reconstruction to thermokinetic studies with conduction calorimeters 113

On the characteristics of the signal curves of heat flux calorimeters in studies of reaction kinetics. Part 2. The response to an inconstant heat flux 39

Calorimetry

Calorimetric investigation of $NdCl_3$–MCl liquid mixtures (where M is Na, K, Rb, Cs) 67

Calorimetric investigation of $PrCl_3$–NaCl and $PrCl_3$–KCl liquid mixtures 59

Enthalpies of dilution of some electrolytes in water at 298.15 K 105

Enthalpies of mixing in $PrCl_3$–$CaCl_2$ and $NdCl_3$–$CaCl_2$ liquid systems 51

Catalyst

A combined mass spectrometric/gas chromatographic approach for the thermoanalytical characterization of supported heterogeneous catalysts 165

Heat transfer inside emulsions. Determination of the DSC thermograms. Part 1. Crystallization of the undercooled droplets 205

Complexation

Complexation of uranyl (UO_2^{2+}) and thorium (Th^{4+}) with arylbis(5-hydroxy-3-methyl-1-phenylpyrazol-4-yl)methanes 149

Conduction calorimeter

Application of thermogram reconstruction to thermokinetic studies with conduction calorimeters 113

Co-ordination

Complexation of uranyl (UO_2^{2+}) and thorium (Th^{4+}) with arylbis(5-hydroxy-3-methyl-1-phenylpyrazol-4-yl)methanes 149

Copper compound

Thermal investigation and stereochemical studies of some cyclic ligand complexes of nickel(II), copper(II), zinc(II) and cadmium(II) in the solid state. Part 1 175

Coupled technique

A combined mass spectrometric/gas chromatographic approach for the thermoanalytical characterization of supported heterogeneous catalysts 165

Solid-phase thermal reactions of nickel(II) complexes containing *dl*-4-methyl-1,2-pentanediamine 199

Crystallinity

Mutual influences between ammonium heptamolybdate and γ-alumina during their thermal treatments 93

Crystallization

A bench-scale evaporative calorimeter for diagnostic and control possibilities in vacuum processes 81

Heat transfer inside emulsions. Determination of the DSC thermograms. Part 1. Crystallization of the undercooled droplets 227

Crystallized droplet

Heat transfer inside emulsions. Determination of the DSC thermograms. Part 2. Melting of the crystallized droplets 239

Decomposition

Mutual influences between ammonium heptamolybdate and γ-alumina during their thermal treatments 93

Non-isothermal kinetic and thermodynamic study of the decomposition of lead acetate trihydrate 249

Thermal investigation and stereochemical studies of some cyclic ligand complexes of nickel(II), copper(II), zinc(II) and cadmium(II) in the solid state. Part 1 175

Thermochemistry and lattice energetics of hexahalogenozirconates 263

Dehydration

Non-isothermal kinetic and thermodynamic study of the decomposition of lead acetate trihydrate 249

Density

Excess molar enthalpies for methanol + acetone and methanol + acetone + benzene mixtures at 298.15 K 23

DSC

Conversion dependence of activation energy for model DSC curves of consecutive reactions 1

Heat transfer inside emulsions. Determination of the DSC thermograms. Part 1. Crystallization of the undercooled droplets 227

Heat transfer inside emulsions. Determination of the DSC thermograms. Part 2. Melting of the crystallized droplets 239

Non-isothermal kinetic and thermodynamic study of the decomposition of lead acetate trihydrate 249

Solid-phase thermal reactions of nickel(II) complexes containing *dl*-4-methyl-1,2-pentanediamine 199

DTA

Complexation of uranyl (UO_2^{2+}) and thorium (Th^{4+}) with arylbis(5-hydroxy-3-methyl-1-phenylpyrazol-4-yl)methanes 149

Heat transfer inside emulsions. Determination of the DSC thermograms. Part 1. Crystallization of the undercooled droplets 205

Mutual influences between ammonium heptamolybdate and γ-alumina during their thermal treatments 93
Non-isothermal kinetic and thermodynamic study of the decomposition of lead acetate trihydrate 249
Solid-phase thermal reactions of nickel(II) complexes containing *dl*-4-methyl-1,2-pentanediamine 199
Thermal investigation and stereochemical studies of some cyclic ligand complexes of nickel(II), copper(II), zinc(II) and cadmium(II) in the solid state. Part 1 175
Thermodynamique de la formation de solution nématique dans le système double de 4-*n*-propyl- et 4-*n*-amyl-(4′-cyanophényl)-cyclohexane 141

DTG
Complexation of uranyl (UO_2^{2+}) and thorium (Th^{4+}) with arylbis(5-hydroxy-3-methyl-1-phenylpyrazol-4-yl)methanes 149

Electrolyte
Enthalpies of dilution of some electrolytes in water at 298.15 K 105

Emulsion
Heat transfer inside emulsions. Determination of the DSC thermograms. Part 1. Crystallization of the undercooled droplets 227
Heat transfer inside emulsions. Determination of the DSC thermograms. Part 2. Melting of the crystallized droplets 239

Enthalpy
Thermal investigation and stereochemical studies of some cyclic ligand complexes of nickel(II), copper(II), zinc(II) and cadmium(II) in the solid state. Part 1 175

Entropy
Thermal investigation and stereochemical studies of some cyclic ligand complexes of nickel(II), copper(II), zinc(II) and cadmium(II) in the solid state. Part 1 175

Evaporation
A bench-scale evaporative calorimeter for diagnostic and control possibilities in vacuum processes 81

Excess heat of mixing
Excess enthalpies and excess volumes of mixing for mixtures of isomeric butyl amines and acetonitrile 123

Excess molar enthalpy
Excess molar enthalpies for methanol + acetone and methanol + acetone + benzene mixtures at 298.15 K 23
Thermodynamics of associated solutions. Prediction of excess molar enthalpies of acetone + bromoform + saturated hydrocarbon mixtures using a chemical model 15

Excess volume of mixing
Excess enthalpies and excess volumes of mixing for mixtures of isomeric butyl amines and acetonitrile 123

Feedback
The impact of feedback on the determination of masses and forces in controlled atmospheres 277

GC
A combined mass spectrometric/gas chromatographic approach for the thermoanalytical characterization of supported heterogeneous catalysts 165

Gibbs energy
Complexation of uranyl (UO_2^{2+}) and thorium (Th^{4+}) with arylbis(5-hydroxy-3-methyl-1-phenylpyrazol-4-yl)methanes 149

Group I compound
Calorimetric investigation of $NdCl_3$–MCl liquid mixtures (where M is Na, K, Rb, Cs) 67
Calorimetric investigation of $PrCl_3$–NaCl and $PrCl_3$–KCl liquid mixtures 59

Halogenozirconate
Thermochemistry and lattice energetics of hexahalogenozirconates 263

Heat flux
On the characteristics of the signal curves of heat flux calorimeters in studies of reaction kinetics. Part 2. The response to an inconstant heat flux 39

Heat of dilution
Enthalpies of dilution of some electrolytes in water at 298.15 K 105

Heat of dissociation
Thermochemistry and lattice energetics of hexahalogenozirconates 263

Heat of formation
Thermochemistry and lattice energetics of hexahalogenozirconates 263

Heat of mixing
Calorimetric investigation of $NdCl_3$–MCl liquid mixtures (where M is Na, K, Rb, Cs) 67
Calorimetric investigation of $PrCl_3$–NaCl and $PrCl_3$–KCl liquid mixtures 59
Enthalpies of mixing in $PrCl_3$–$CaCl_2$ and $NdCl_3$–$CaCl_2$ liquid systems 51

Heat of transition
Solid-phase thermal reactions of nickel(II) complexes containing *dl*-4-methyl-1,2-pentanediamine 199

Heat transfer
Heat transfer inside emulsions. Determination of the DSC thermograms. Part 1. Crystallization of the undercooled droplets 227
Heat transfer inside emulsions. Determination of the DSC thermograms. Part 2. Melting of the crystallized droplets 239
Hydrate
Non-isothermal kinetic and thermodynamic study of the decomposition of lead acetate trihydrate 249
Hydrocarbon
Thermodynamics of associated solutions. Prediction of excess molar enthalpies of acetone + bromoform + saturated hydrocarbon mixtures using a chemical model 15

IRS
Mutual influences between ammonium heptamolybdate and γ-alumina during their thermal treatments 93
Non-isothermal kinetic and thermodynamic study of the decomposition of lead acetate trihydrate 249
The effect of temperature and phase state on the infrared spectrum of $Ba(NO_3)_2$ 217
Isomer
Excess enthalpies and excess volumes of mixing for mixtures of isomeric butyl amines and acetonitrile 123
Solid-phase thermal reactions of nickel(II) complexes containing *dl*-4-methyl-1,2-pentanediamine 199
Isothermal
A bench-scale evaporative calorimeter for diagnostic and control possibilities in vacuum processes 81

Kinetics
A simple method of kinetic model discrimination. Part 1. Analysis of differential non-isothermal data 187
Application of thermogram reconstruction to thermokinetic studies with conduction calorimeters 113
On the characteristics of the signal curves of heat flux calorimeters in studies of reaction kinetics. Part 2. The response to an inconstant heat flux 39

Lanthanon compound
Calorimetric investigation of $PrCl_3$–NaCl and $PrCl_3$–KCl liquid mixtures 59
Enthalpies of mixing in $PrCl_3$–$CaCl_2$ and $NdCl_3$–$CaCl_2$ liquid systems 51
Lattice energy
Thermochemistry and lattice energetics of hexahalogenozirconates 263
Lead acetate
Non-isothermal kinetic and thermodynamic study of the decomposition of lead acetate trihydrate 249
Ligand
Complexation of uranyl (UO_2^{2+}) and thorium (Th^{4+}) with arylbis(5-hydroxy-3-methyl-1-phenylpyrazol-4-yl)methanes 149
Liquid crystal
Solubilité des cristaux liquides dans les solvants organiques 131
LLE
Liquid–liquid equilibria for aniline + benzene + *n*-heptane and methanol + aniline + *n*-heptane + benzene at 25°C 31

Melting
Heat transfer inside emulsions. Determination of the DSC thermograms. Part 2. Melting of the crystallized droplets 239
Methanol
Excess molar enthalpies for methanol + acetone and methanol + acetone + benzene mixtures at 298.15 K 23
Microcalorimetry
Enthalpies of dilution of some electrolytes in water at 298.15 K 105
Excess enthalpies and excess volumes of mixing for mixtures of isomeric butyl amines and acetonitrile 123
Mixed salt
Calorimetric investigation of $NdCl_3$–MCl liquid mixtures (where M is Na, K, Rb, Cs) 67
Calorimetric investigation of $PrCl_3$–NaCl and $PrCl_3$–KCl liquid mixtures 59
Model
A simple method of kinetic model discrimination. Part 1. Analysis of differential non-isothermal data 187
Conversion dependence of activation energy for model DSC curves of consecutive reactions 1
Heat transfer inside emulsions. Determination of the DSC thermograms. Part 2. Melting of the crystallized droplets 239
On the characteristics of the signal curves of heat flux calorimeters in studies of reaction kinetics. Part 2. The response to an inconstant heat flux 39
MS
A combined mass spectrometric/gas chromatographic approach for the thermoanalyti-

cal characterization of supported heterogeneous catalysts 165

Nematic
Thermodynamique de la formation de solution nématique dans le système double de 4-*n*-propyl- et 4-*n*-amyl-(4′-cyanophényl)-cyclohexane 141

Neodymium chloride
Calorimetric investigation of $NdCl_3$–MCl liquid mixtures (where M is Na, K, Rb, Cs) 67
Enthalpies of mixing in $PrCl_3$–$CaCl_2$ and $NdCl_3$–$CaCl_2$ liquid systems 51

Nickel compound
Solid-phase thermal reactions of nickel(II) complexes containing *dl*-4-methyl-1,2-pentanediamine 199
Thermal investigation and stereochemical studies of some cyclic ligand complexes of nickel(II), copper(II), zinc(II) and cadmium(II) in the solid state. Part 1 175

NMR
Complexation of uranyl (UO_2^{2+}) and thorium (Th^{4+}) with arylbis(5-hydroxy-3-methyl-1-phenylpyrazol-4-yl)methanes 149

Non-isothermal
A simple method of kinetic model discrimination. Part 1. Analysis of differential non-isothermal data 187
Non-isothermal kinetic and thermodynamic study of the decomposition of lead acetate trihydrate 249

Phase
The effect of temperature and phase state on the infrared spectrum of $Ba(NO_3)_2$ 217

Phase transition
The effect of temperature and phase state on the infrared spectrum of $Ba(NO_3)_2$ 217

Praseodymium chloride
Calorimetric investigation of $PrCl_3$–NaCl and $PrCl_3$–KCl liquid mixtures 59
Enthalpies of mixing in $PrCl_3$–$CaCl_2$ and $NdCl_3$–$CaCl_2$ liquid systems 51

Purification
Solubilité des cristaux liquides dans les solvants organiques 131

Quaternary system
Liquid–liquid equilibria for aniline + benzene + *n*-heptane and methanol + aniline + *n*-heptane + benzene at 25°C 31

Relaxation
The effect of temperature and phase state on the infrared spectrum of $Ba(NO_3)_2$ 217

RLS
A bench-scale evaporative calorimeter for diagnostic and control possibilities in vacuum processes 81

SEM kinetics
Non-isothermal kinetic and thermodynamic study of the decomposition of lead acetate trihydrate 249

Smearing
On the characteristics of the signal curves of heat flux calorimeters in studies of reaction kinetics. Part 2. The response to an inconstant heat flux 39

Solubility
Solubilité des cristaux liquides dans les solvants organiques 131

Solvent
Solubilité des cristaux liquides dans les solvants organiques 131

Stereochemistry
Thermal investigation and stereochemical studies of some cyclic ligand complexes of nickel(II), copper(II), zinc(II) and cadmium(II) in the solid state. Part 1 175

TA
Conversion dependence of activation energy for model DSC curves of consecutive reactions 1

Ternary system
Excess molar enthalpies for methanol + acetone and methanol + acetone + benzene mixtures at 298.15 K 23
Liquid–liquid equilibria for aniline + benzene + *n*-heptane and methanol + aniline + *n*-heptane + benzene at 25°C 31
Thermodynamics of associated solutions. Prediction of excess molar enthalpies of acetone + bromoform + saturated hydrocarbon mixtures using a chemical model 15

TG
Complexation of uranyl (UO_2^{2+}) and thorium (Th^{4+}) with arylbis(5-hydroxy-3-methyl-1-phenylpyrazol-4-yl)methanes 149
Mutual influences between ammonium heptamolybdate and γ-alumina during their thermal treatments 93
Non-isothermal kinetic and thermodynamic study of the decomposition of lead acetate trihydrate 249
Solid-phase thermal reactions of nickel(II) complexes containing *dl*-4-methyl-1,2-pentanediamine 199

TGA
Heat transfer inside emulsions. Determination of the DSC thermograms. Part 1. Crystallization of the undercooled droplets 205
Thermal investigation and stereochemical studies of some cyclic ligand complexes of nickel(II), copper(II), zinc(II) and cadmium(II) in the solid state. Part 1 175
Thermodynamics
Complexation of uranyl (UO_2^{2+}) and thorium (Th^{4+}) with arylbis(5-hydroxy-3-methyl-1-phenylpyrazol-4-yl)methanes 149
Excess molar enthalpies for methanol + acetone and methanol + acetone + benzene mixtures at 298.15 K 23
Non-isothermal kinetic and thermodynamic study of the decomposition of lead acetate trihydrate 249
Thermodynamics of associated solutions. Prediction of excess molar enthalpies of acetone + bromoform + saturated hydrocarbon mixtures using a chemical model 15
Thermodynamique de la formation de solution nématique dans le système double de 4-*n*-propyl- et 4-*n*-amyl-(4′-cyanophényl)-cyclohexane 141
Thermogram reconstruction
Application of thermogram reconstruction to thermokinetic studies with conduction calorimeters 113
Thorium compound
Complexation of uranyl (UO_2^{2+}) and thorium (Th^{4+}) with arylbis(5-hydroxy-3-methyl-1-phenylpyrazol-4-yl)methanes 149
Titanium oxide
Heat transfer inside emulsions. Determination of the DSC thermograms. Part 1. Crystallization of the undercooled droplets 205
TPDE
A combined mass spectrometric/gas chromatographic approach for the thermoanalytical characterization of supported heterogeneous catalysts 165
TPO
A combined mass spectrometric/gas chromatographic approach for the thermoanalytical characterization of supported heterogeneous catalysts 165
TPRD
A combined mass spectrometric/gas chromatographic approach for the thermoanalytical characterization of supported heterogeneous catalysts 165

Undercooled droplet
Heat transfer inside emulsions. Determination of the DSC thermograms. Part 1. Crystallization of the undercooled droplets 227
Uranyl compound
Complexation of uranyl (UO_2^{2+}) and thorium (Th^{4+}) with arylbis(5-hydroxy-3-methyl-1-phenylpyrazol-4-yl)methanes 149

Vacuum control
A bench-scale evaporative calorimeter for diagnostic and control possibilities in vacuum processes 81

Water
Enthalpies of dilution of some electrolytes in water at 298.15 K 105

XRD
Heat transfer inside emulsions. Determination of the DSC thermograms. Part 1. Crystallization of the undercooled droplets 205
Mutual influences between ammonium heptamolybdate and γ-alumina during their thermal treatments 93
Non-isothermal kinetic and thermodynamic study of the decomposition of lead acetate trihydrate 249
Thermodynamique de la formation de solution nématique dans le système double de 4-*n*-propyl- et 4-*n*-amyl-(4′-cyanophényl)-cyclohexane 141

Zinc compound
Thermal investigation and stereochemical studies of some cyclic ligand complexes of nickel(II), copper(II), zinc(II) and cadmium(II) in the solid state. Part 1 175
Zirconium compound
Thermochemistry and lattice energetics of hexahalogenozirconates 263